

Fig. 1A

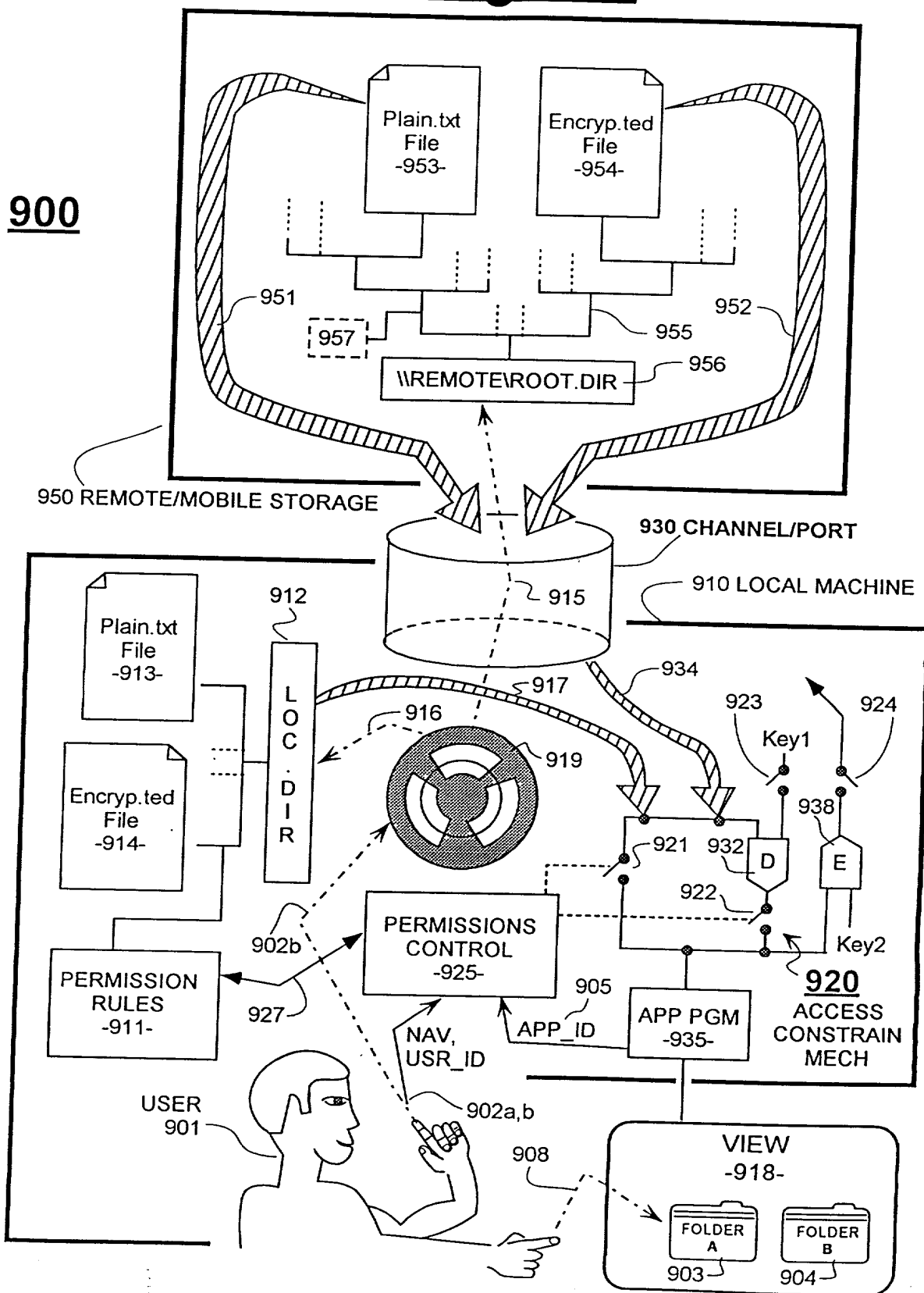


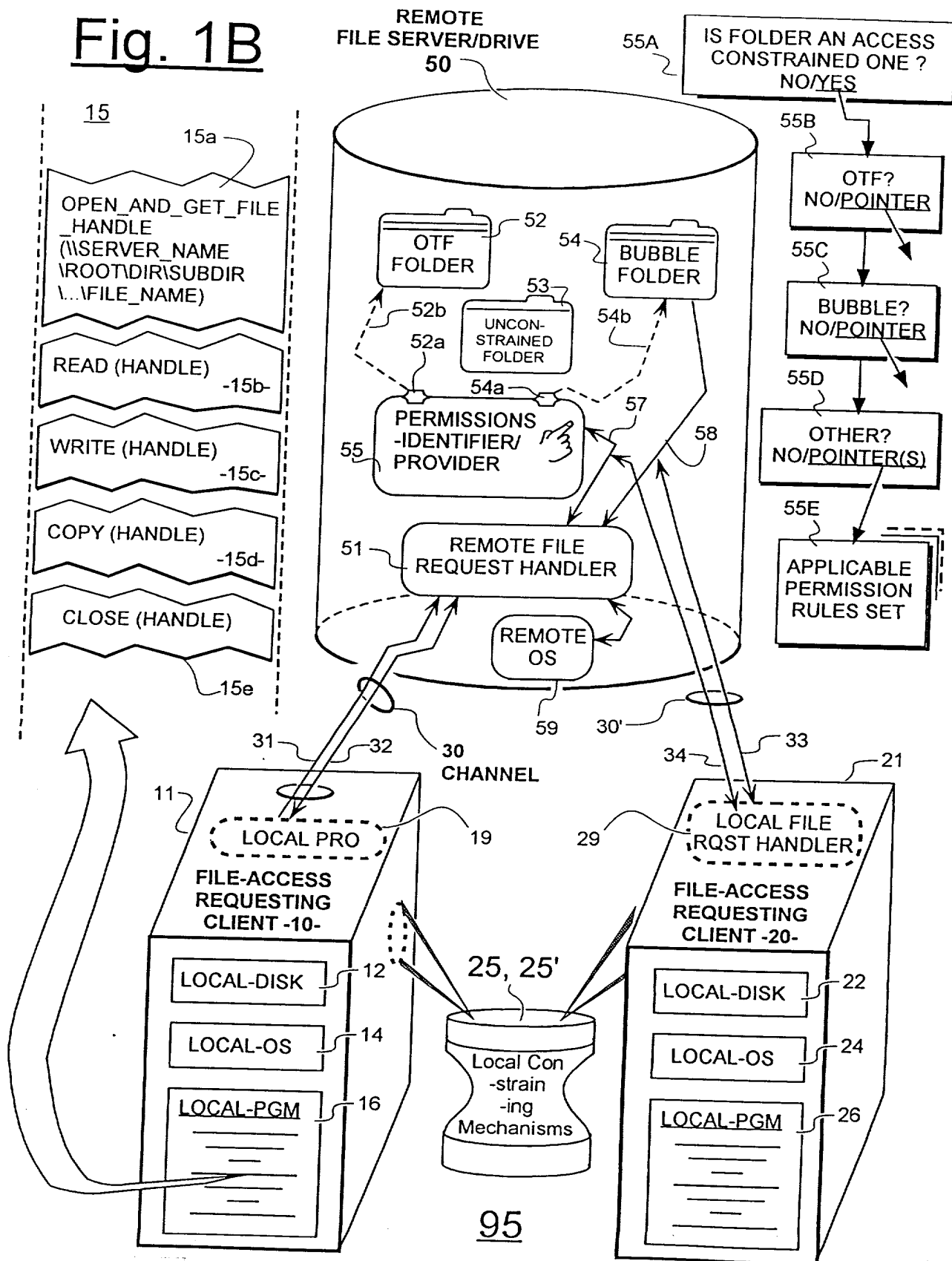
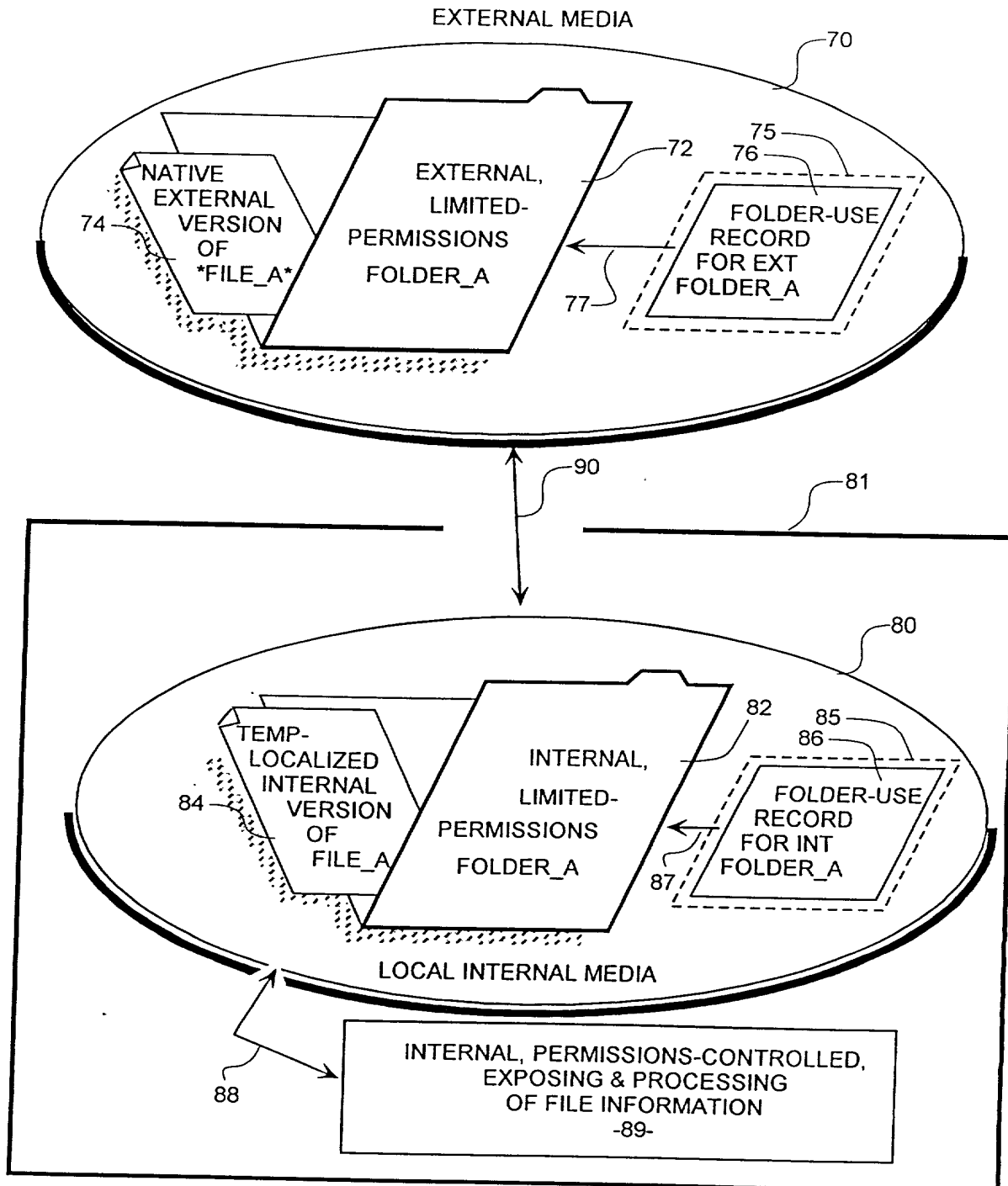
Fig. 1B

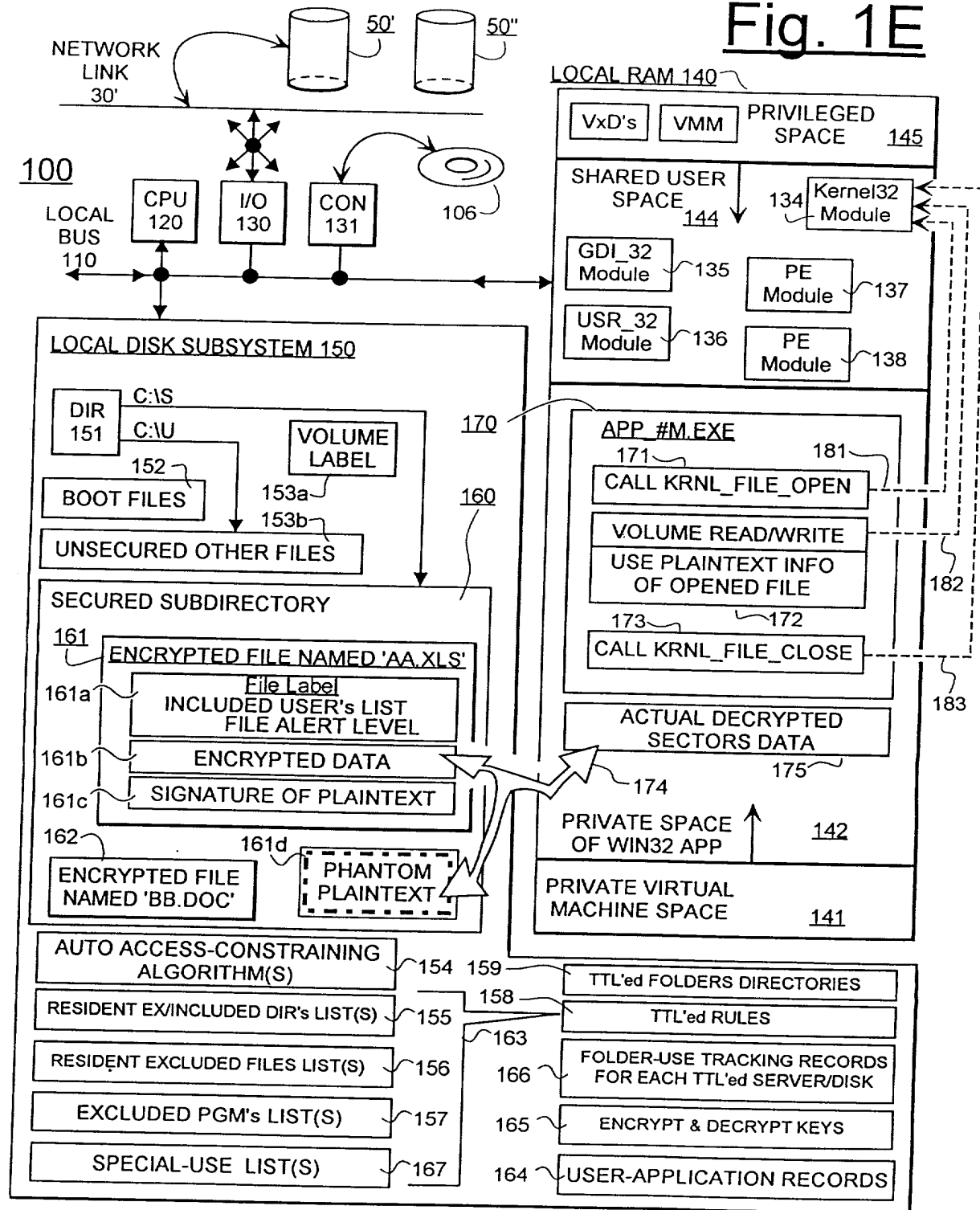
Fig. 1C

60

The diagram illustrates a folder-use record structure, organized into several sections, each with a label on the left and a corresponding field or set of fields on the right. The sections are as follows:

- 61**: **FULL PATHNAME OF LOCAL VERSION OF ACCESS-CONSTRAINED FOLDER** (\\LMACHINE\VOLUME\DIR\.....\SUBDIR) (61a)
- 61b**: ☐ NATIVE? ☐ TEMPORARILY-LOCALIZED AND EXTERNAL ON-LINE? (61c)
- 61d**: **FULL PATHNAME OF EXTERNAL, SOURCING ACCESS-CONSTRAINED FOLDER** (\\SERVER\VOLUME\DIR\.....\SUBDIR) (61e)
- 61e**: ☐ NATIVE & IN USE BY OUTSIDE MIRROR(S)
- 62**: **TYPES OF ACCESS-CONSTRAINT APPLYING TO THIS FOLDER** (AT LEAST ONE IS CHECKED)
 - ☐ ON-THE-FLY RECRYPTION (OTF)
 - ☐ BI-DIRECTIONAL BUBBLE PROTECTION
 - ☐ OTHER
- 63**: **OTF CONTROL LIST(S)**
 - 66**: ☐ EXCLUDED FILES LIST
 - 67**: ☐ EXCLUDED PROGRAMS LIST
 - 68**: ☐ OTHER CONTROL INFO FOR THIS OTF-COVERED FOLDER
- 65**: **BUBBLE CONTROL LIST(S)**
 - 96**: ☐ FILES APPROVAL SPECIFICATIONS
 - 97**: ☐ PROGRAMS APPROVAL SPECIFICATIONS
 - 98**: ☐ OTHER CONTROL INFO FOR THIS BUBBLE-COVERED FOLDER
- 93**: **OTHER PERMISSION CONTROL LIST(S)**
- 69**: **AUTHORIZED USERS CONTROL LIST(S) FOR THIS ACCESS-CONSTRAINED FOLDER**
- 99**: **DIGITAL SIGNATURE FOR NATIVE VERSION OF THIS FOLDER-USE RECORD**

Fig. 1E



200 Fig. 2A

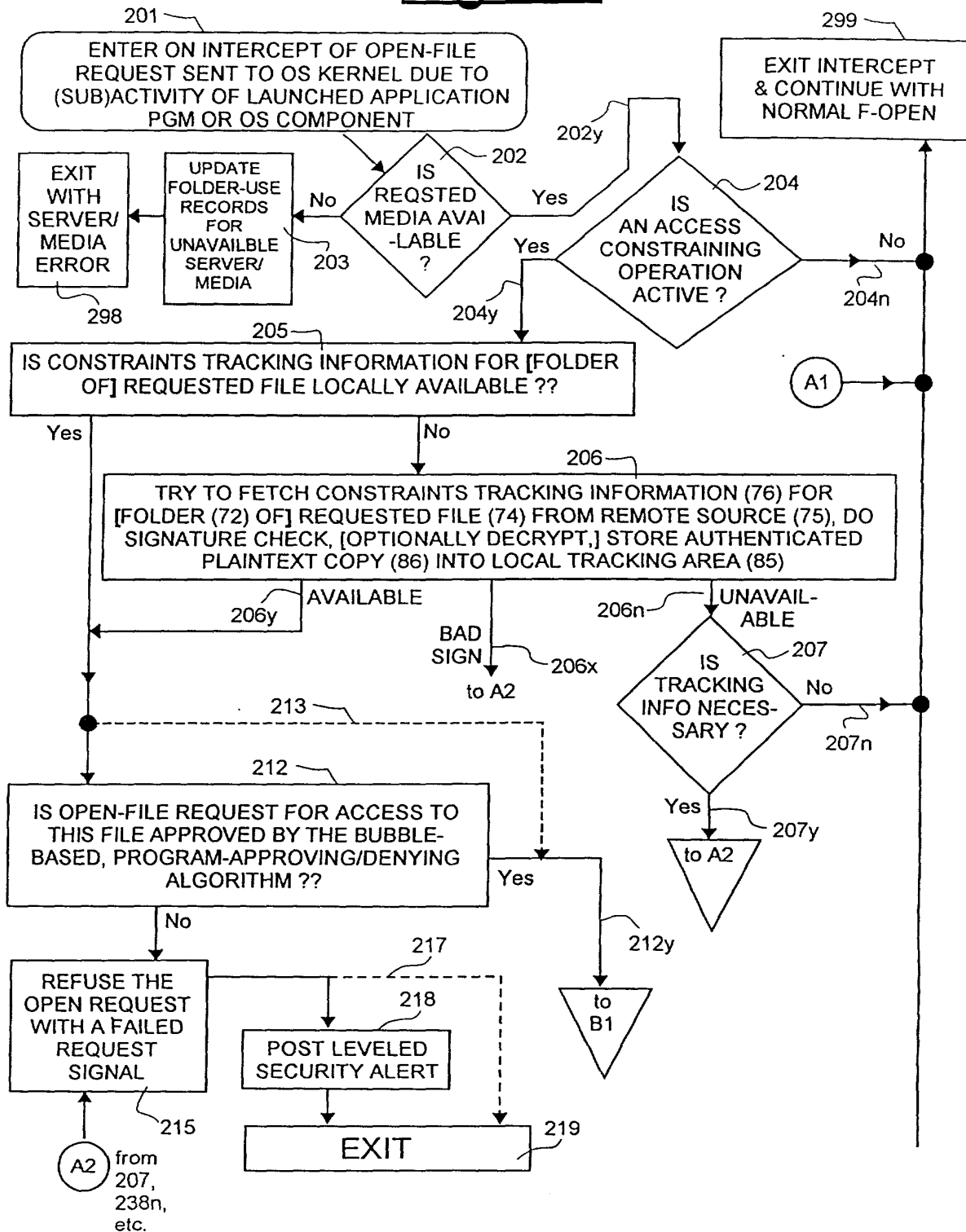


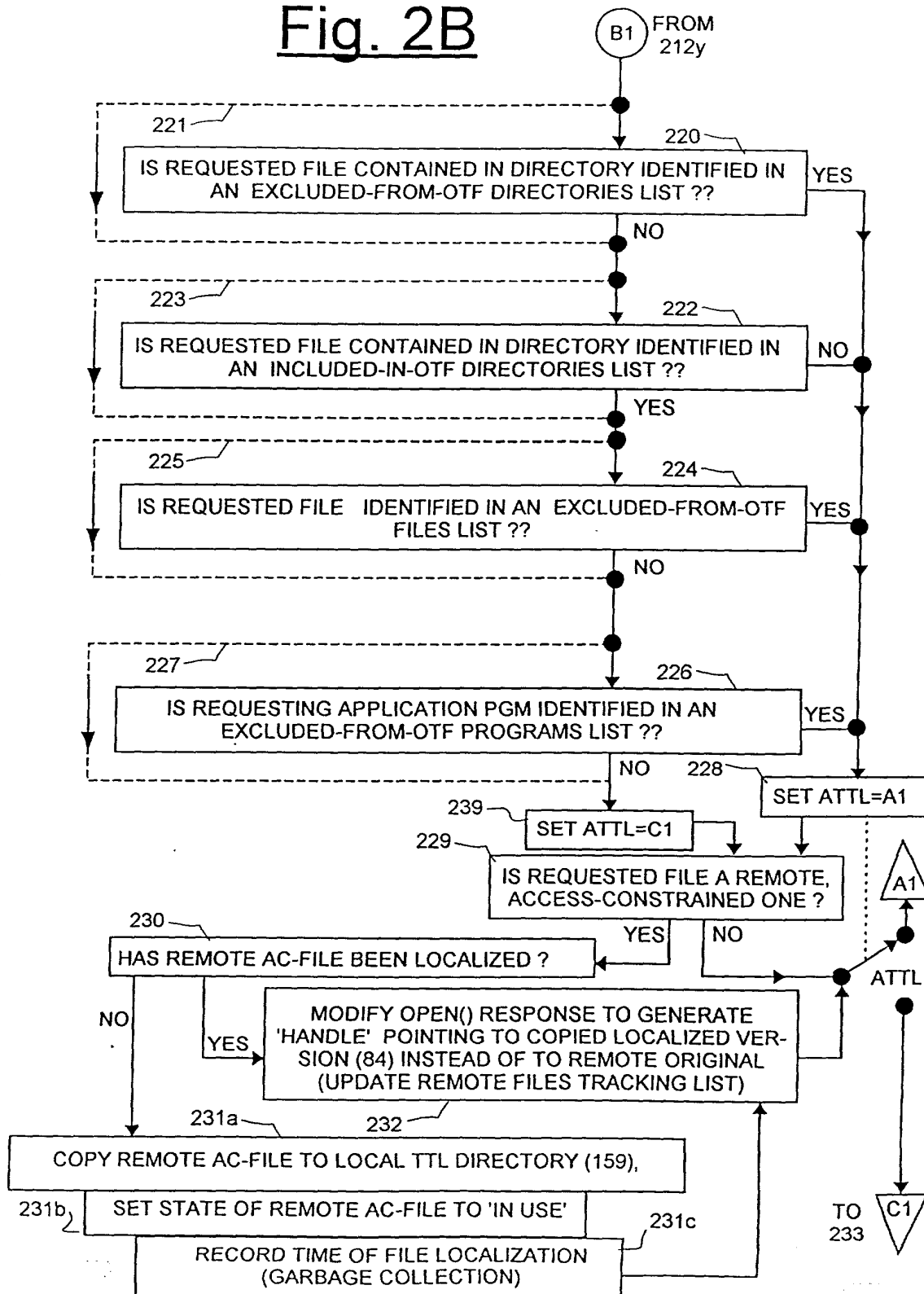
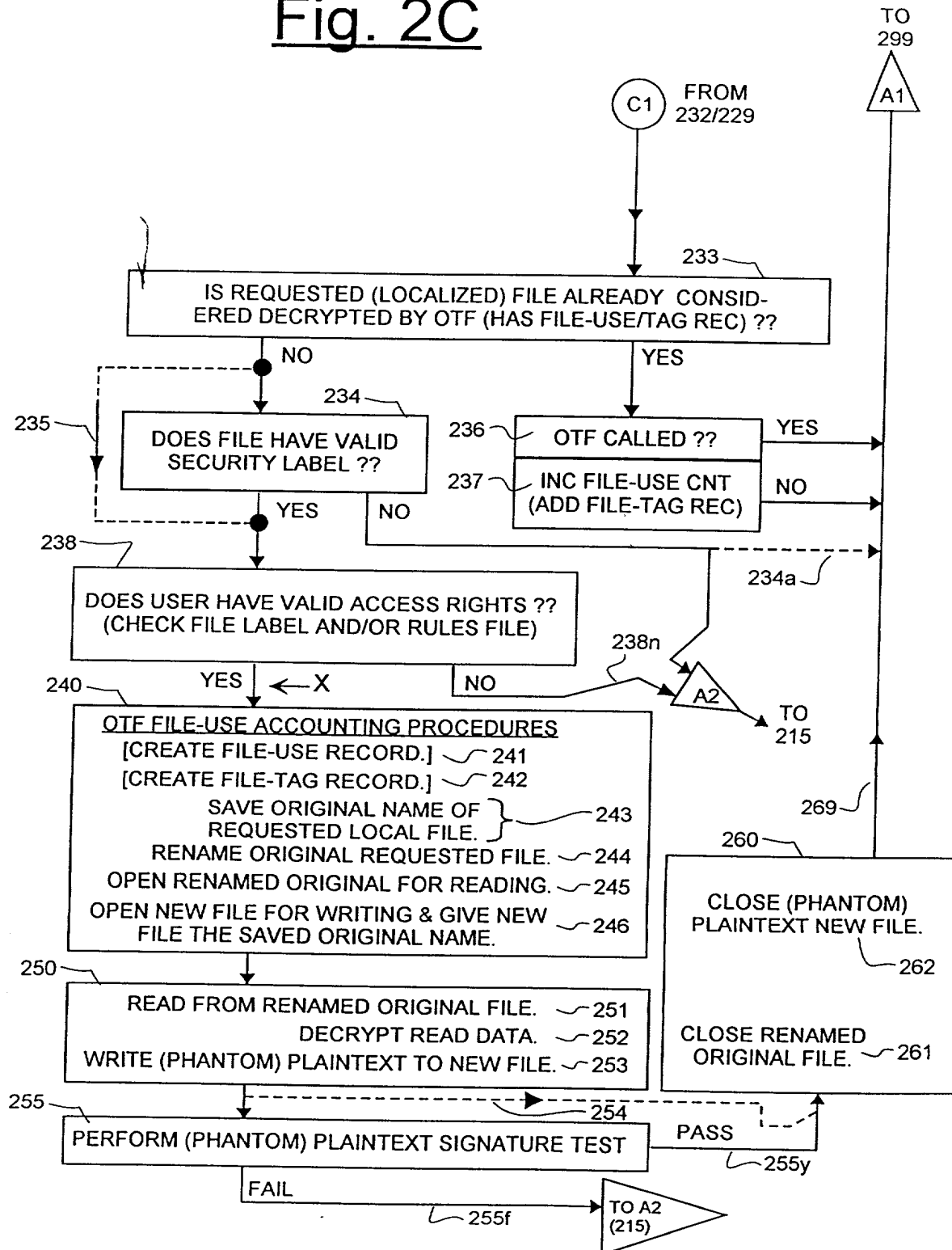
Fig. 2B

Fig. 2C

300

FILE-USE RECORD

Fig. 3A

310	ORIGINAL PATHNAME OF LOCAL VERSION OF OTF-COVERED FILE
320	CURRENT STATE OF THE LOCAL FILE
321	<input type="checkbox"/> BEING PROCESSED BY LOCAL OTF ? <input type="checkbox"/> RENAME STILL IN PROGRESS <input type="checkbox"/> DECRYPT STILL IN PROGRESS <input type="checkbox"/> RE-ENCRYPT STILL IN PROGRESS <input type="checkbox"/> SCORCH OF PLAINTEXT STILL IN PROGRESS <input type="checkbox"/> UPDATE OF DIR ATTRIBUTES STILL IN PROGRESS <input type="checkbox"/> OTF HANDLING COMPLETE
(322)	<input type="checkbox"/> FILE LABEL PRESENT & VALID <input type="checkbox"/> ACCESS RIGHTS HAVE BEEN CHECKED <input type="checkbox"/> RULES FILE MATCHES FILE LABEL
323	<input type="checkbox"/> PLAINTEXT MODIFIED BY USER ?
330	USAGE TRACKING
331	<input type="checkbox"/> USE-COUNT: (IN-USE BY 1+ LOCAL APP PROGRAMS?)
(332)	<input type="checkbox"/> POINTER TO BIDIRECTIONALLY LINKED LIST OF PATHNAMES OF APPLICATIONS (LOCAL) STILL 'USING' THE PLAINTEXT FILE AND 'IDLE TIME' OF EACH SUCH APP
(333)	<input type="checkbox"/> IDLE TIME LOCKOUT ACTIVE ?
(334)	<input type="checkbox"/> DELAY OF POST-CLOSE DECRYPTION REQUESTED BY LOCAL APPLICATION?
(335)	<input type="checkbox"/> POINTER TO BIDIRECTIONALLY LINKED LIST OF POST-CLOSE EVENTS TO WAIT FOR
340	ORIGIN TRACKING
341	<input type="checkbox"/> NEW NAME OF RENAMED & (NATIVE OR LOCALIZED) FILE
342	<input type="checkbox"/> ORIGINAL REMOTE PATHNAME OF LOCALIZED FILE
343	<input type="checkbox"/> TYPE OF MEDIA ON WHICH RENAMED & (NATIVE OR LOCALIZED) FILE ORIGINALLY SAT ON <input type="checkbox"/> NATIVE VS. REMOTE <input type="checkbox"/> FIXED VS. REMOVABLE <input type="checkbox"/> RW VS. READ-ONLY <input type="checkbox"/> IN VS. REMOVED
344	<input type="checkbox"/> STATUS OF CHANNEL TO MEDIA ON WHICH RENAMED & LOCALIZED FILE ORIGINALLY SAT ON <input type="checkbox"/> TRUSTED VS. UNTRUSTED <input type="checkbox"/> UP VS. DOWN

Fig. 3B

300

FILE-USE RECORD (CONTINUED)

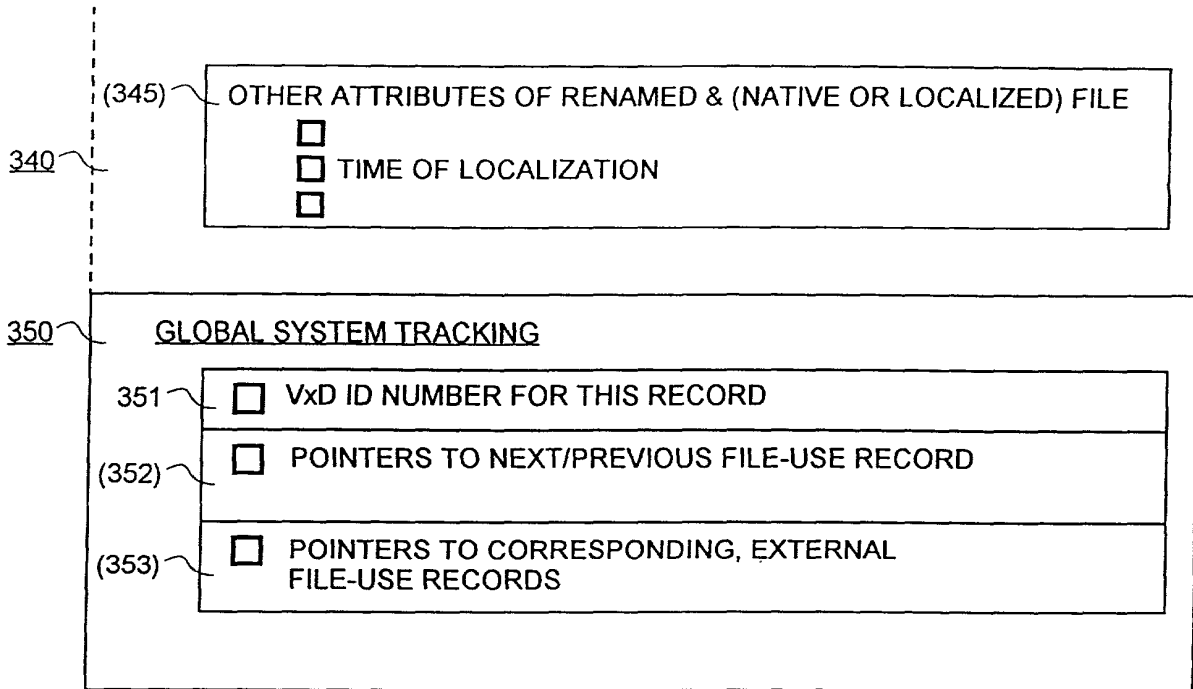


Fig. 3C

USER-APPLICATION RECORD

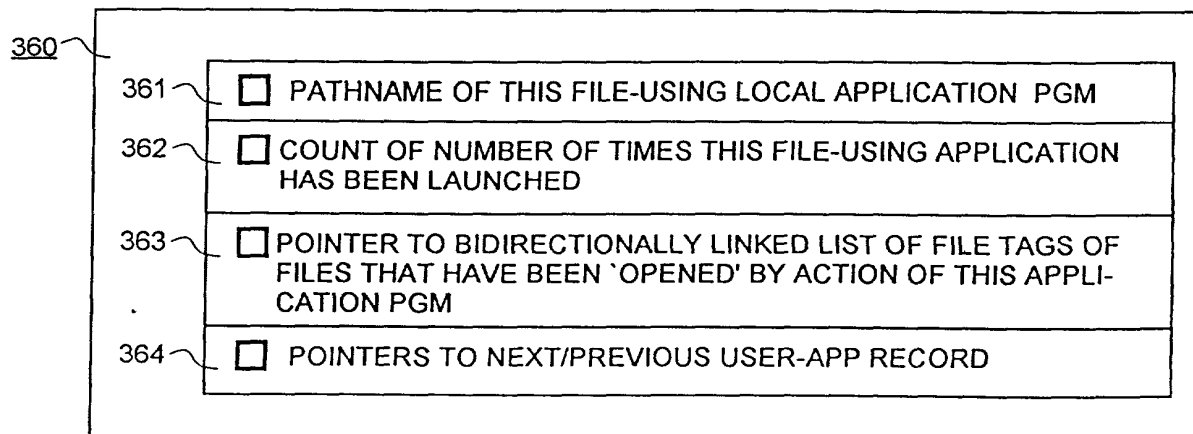
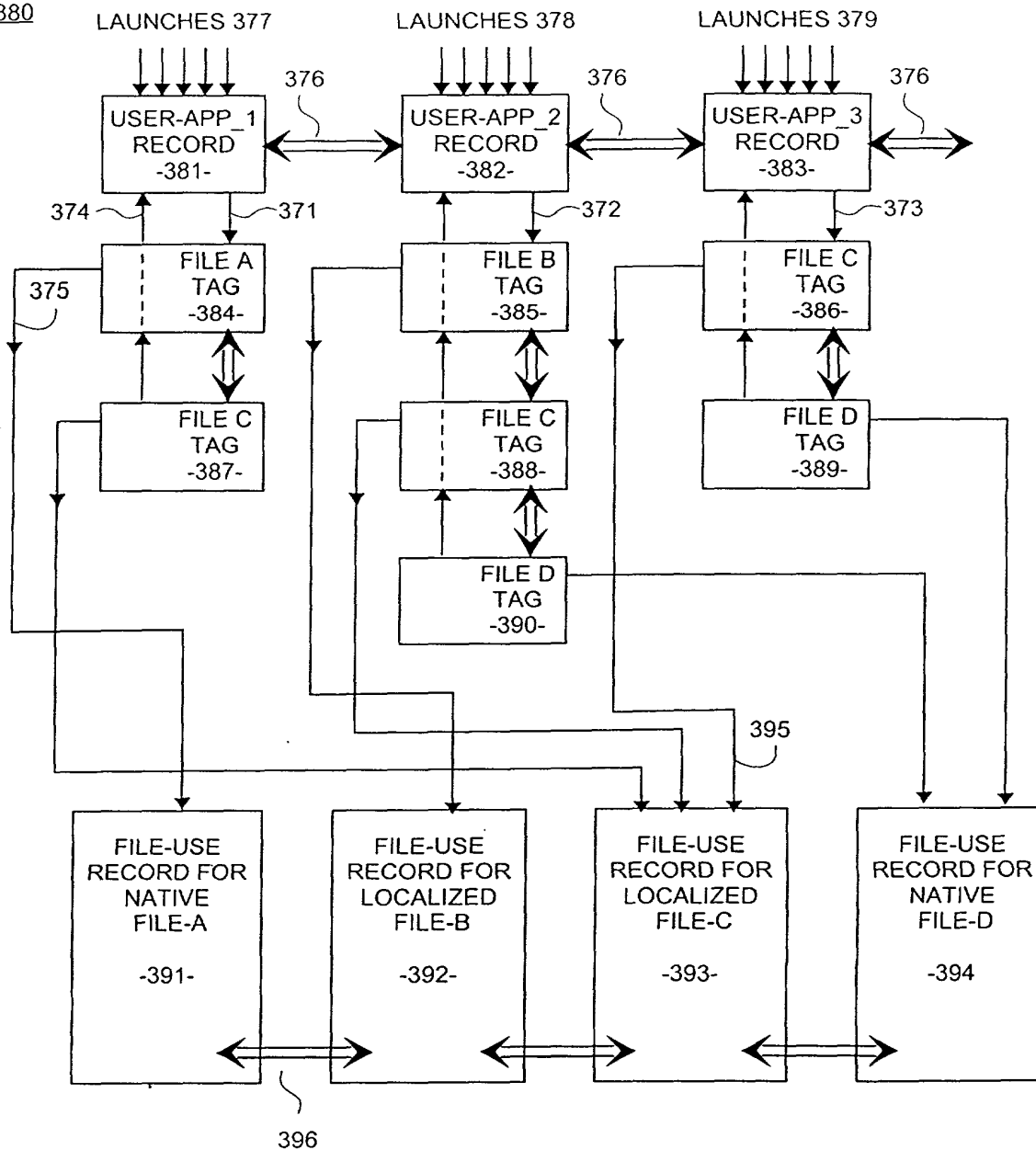


Fig. 3D

380



400 Fig. 4A

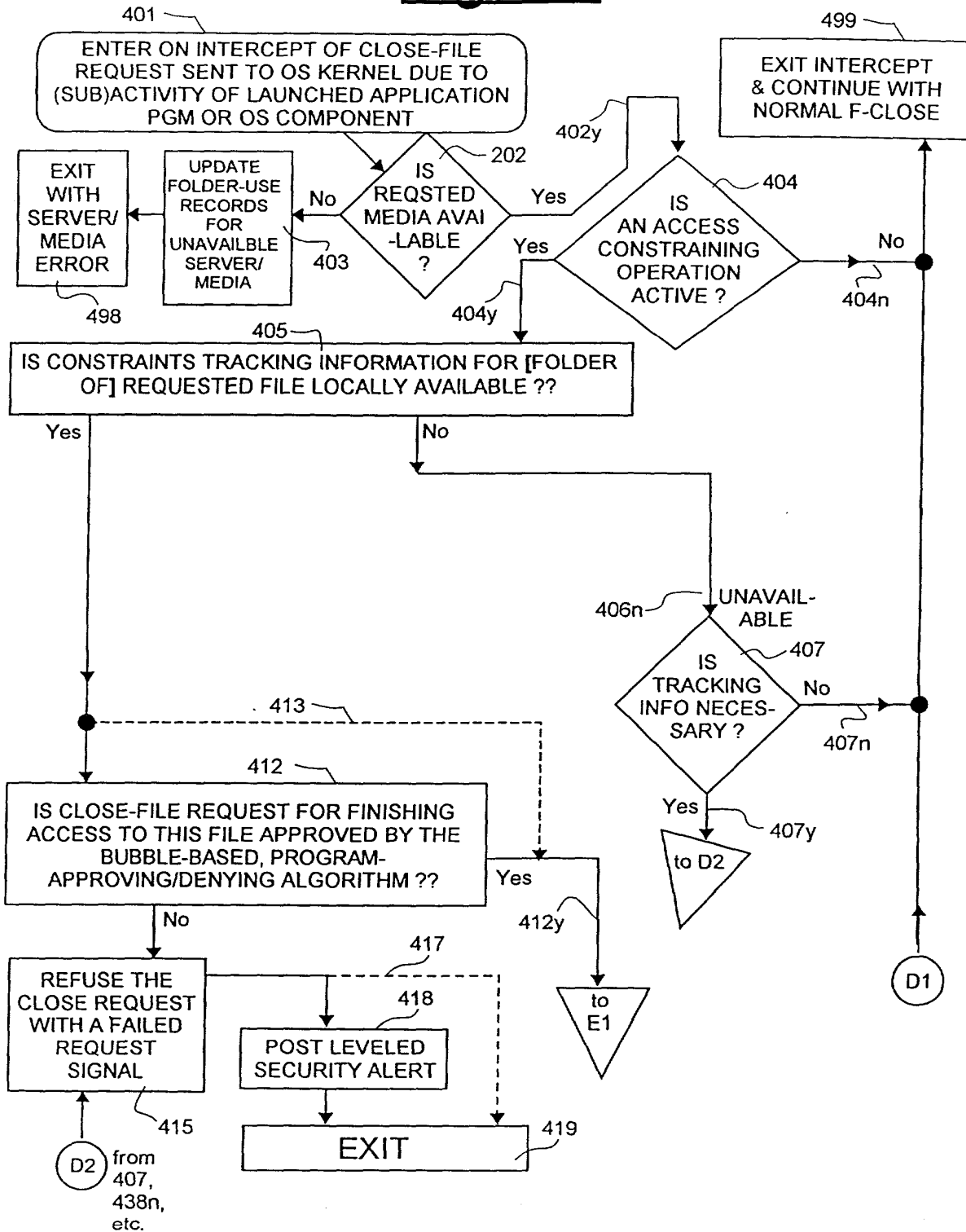


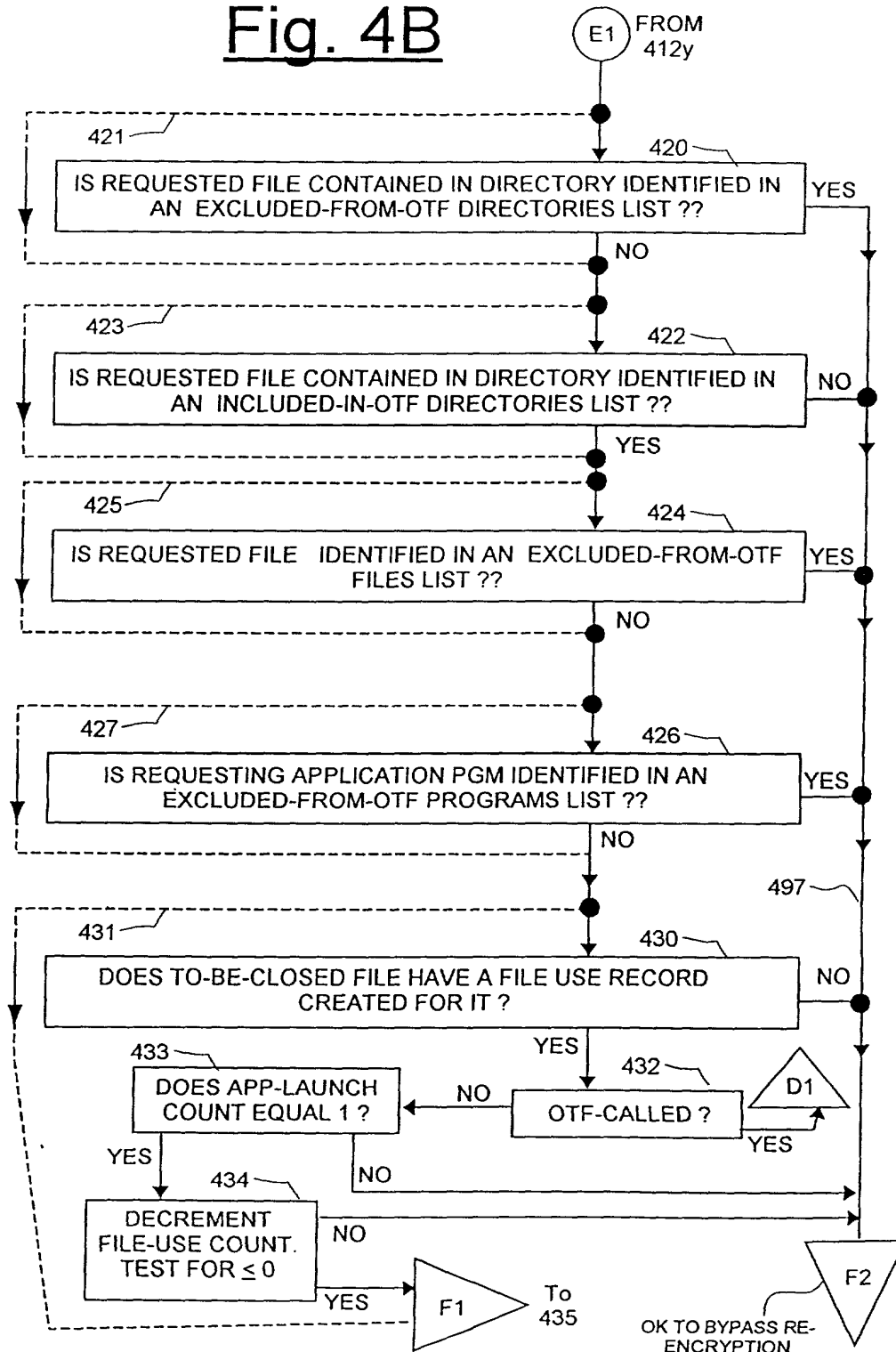
Fig. 4B

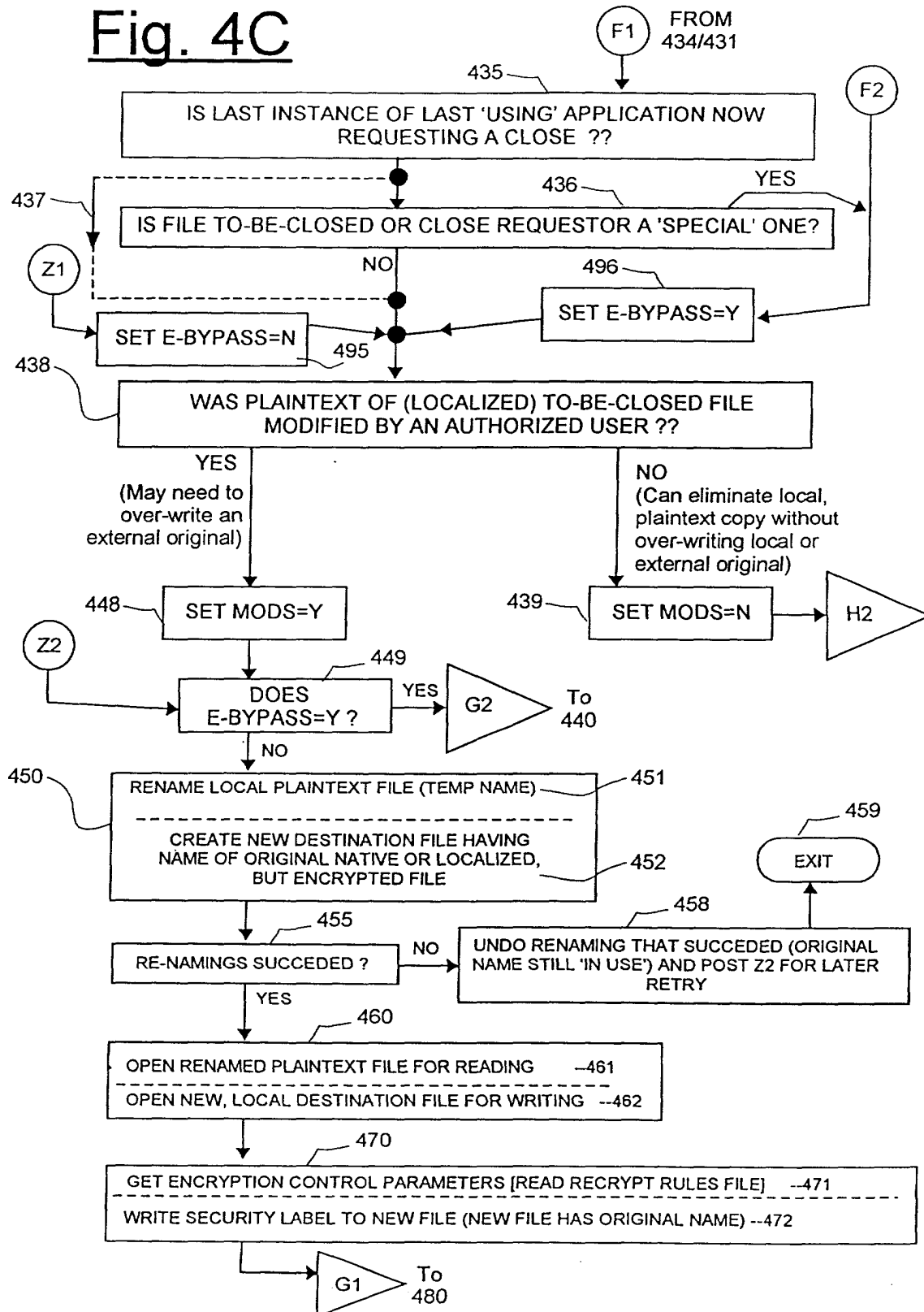
Fig. 4C

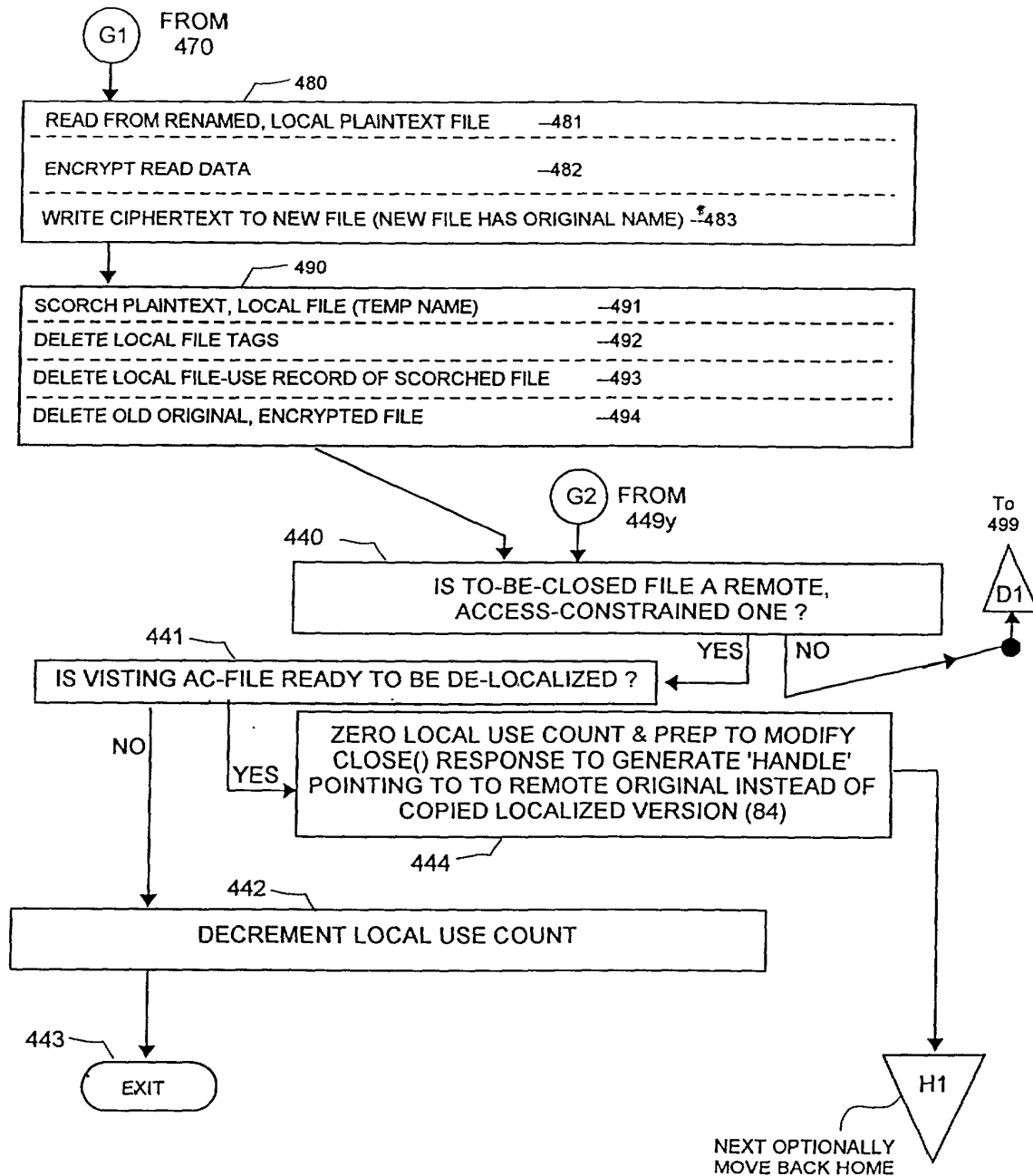
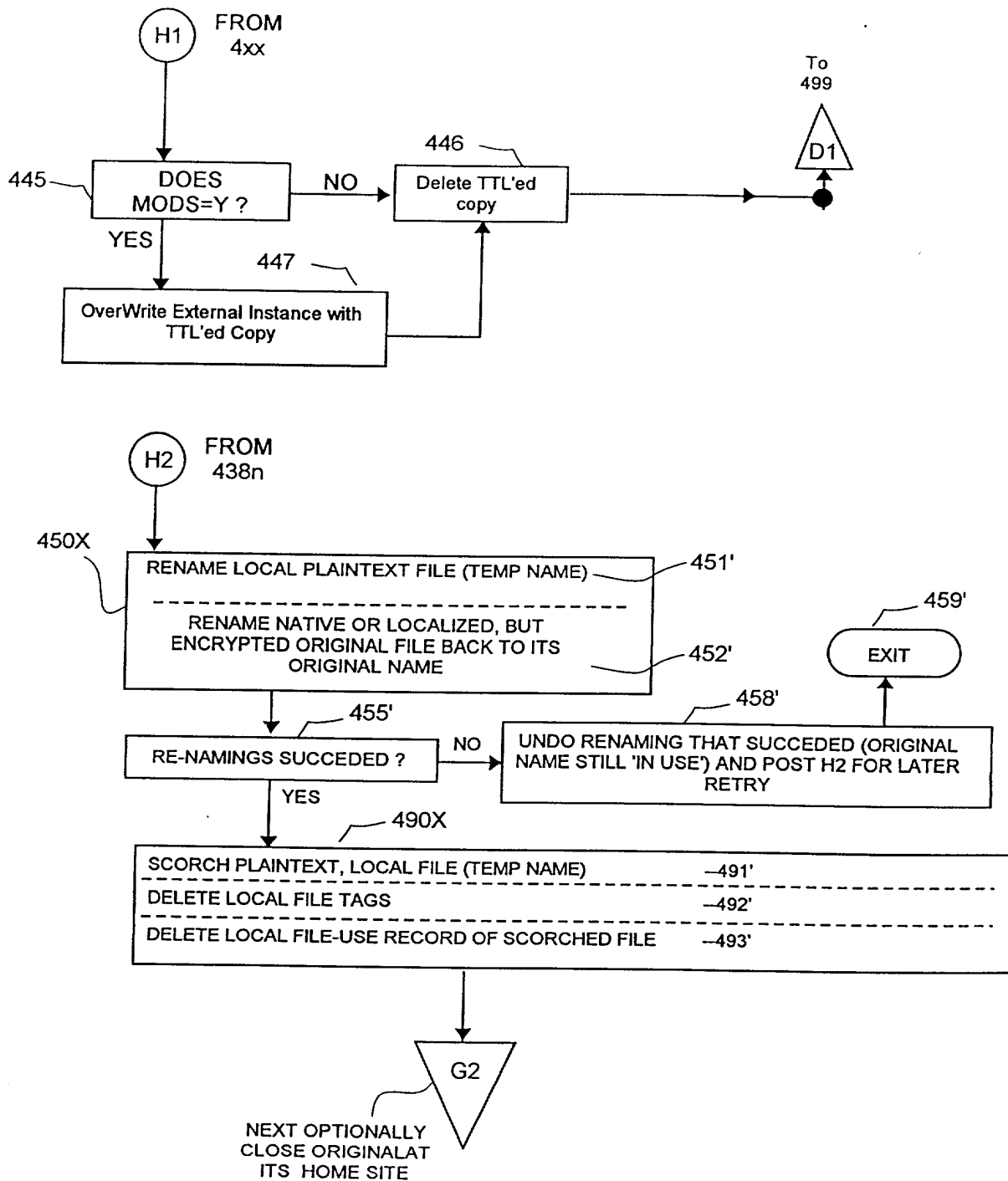
Fig. 4D

Fig. 4E



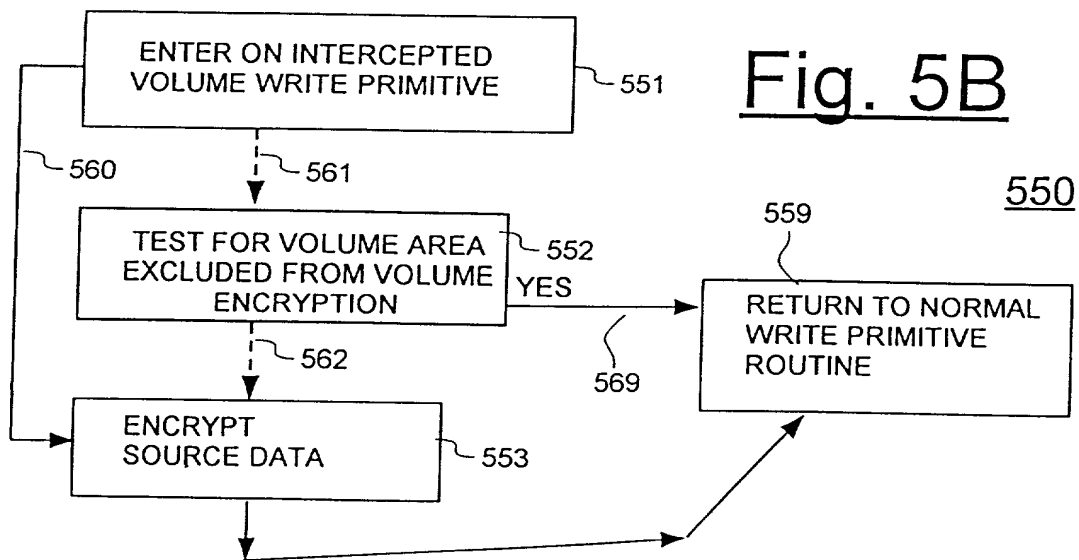
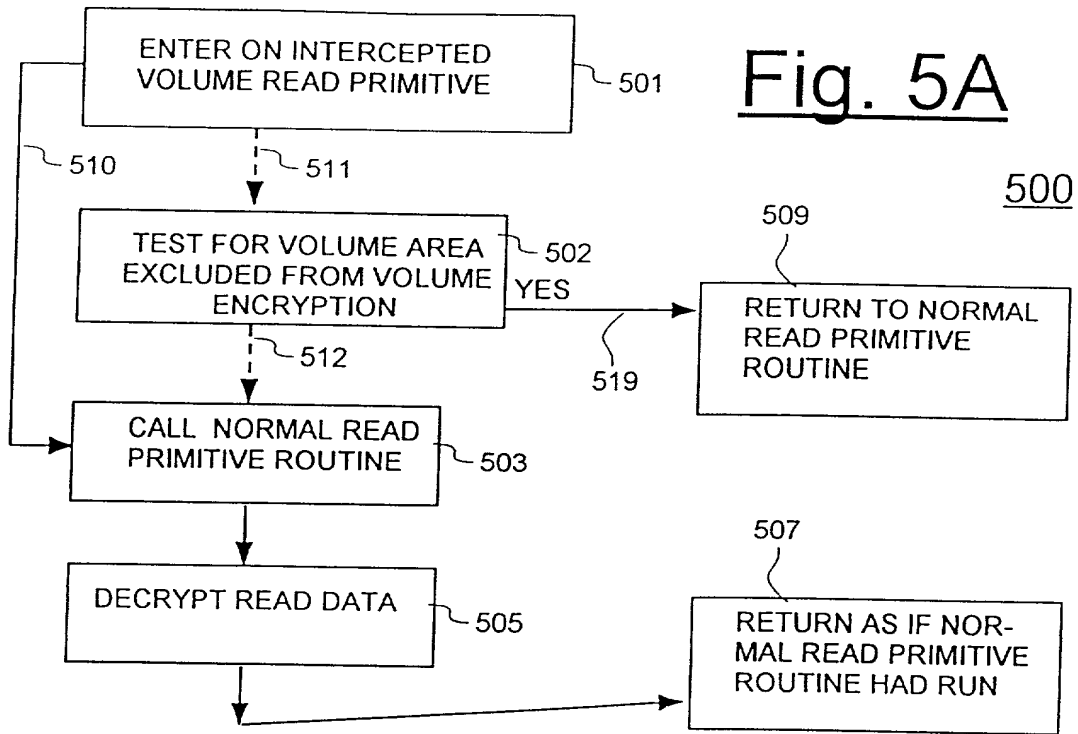


Fig. 6A

700

MULTI-THREADED FLOWCHART FOR RECRYPTION PROCESS

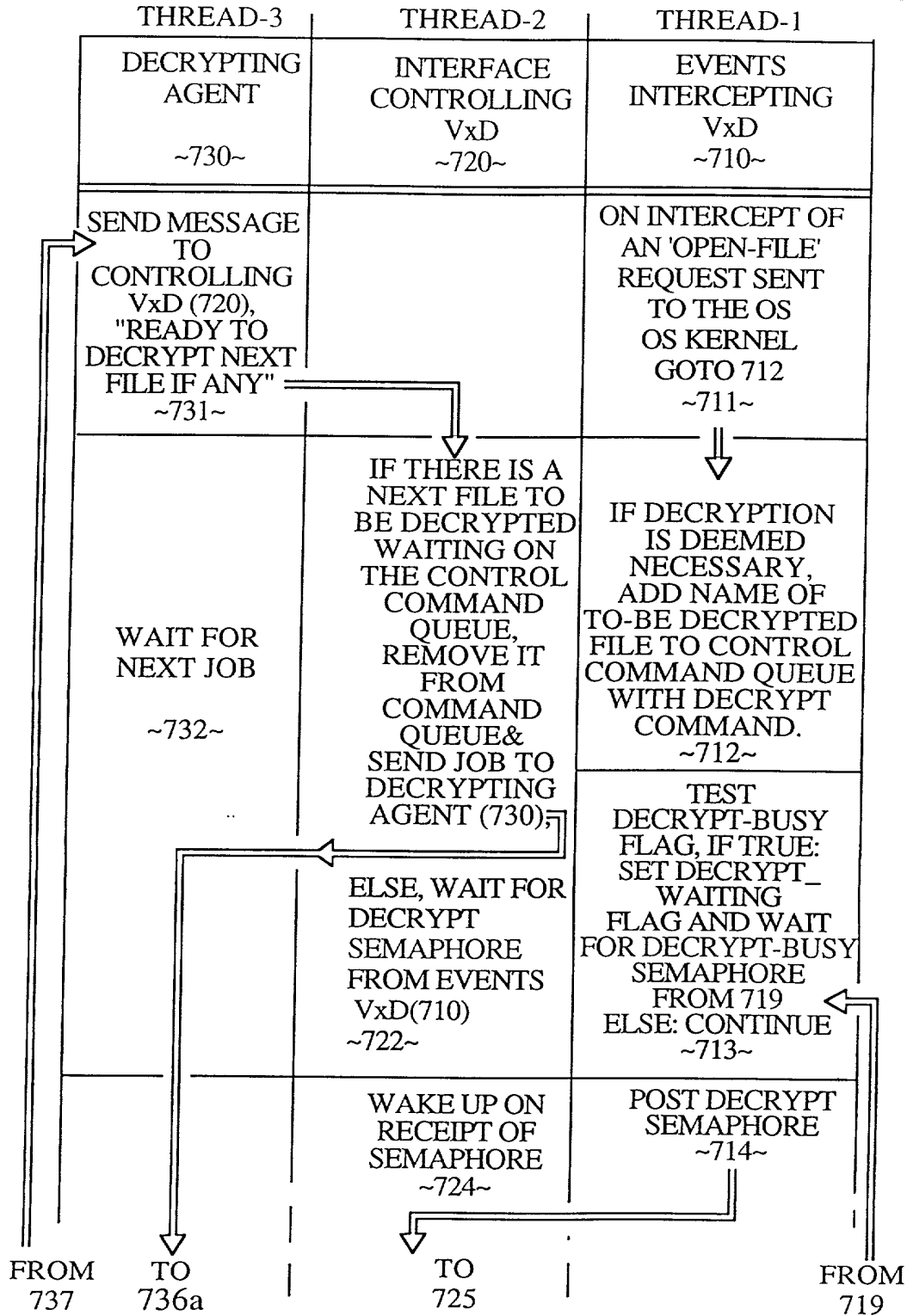


Fig. 6BMULTI-THREADED FLOWCHART FOR
RECRYPTION PROCESS (CONTD)